

WHAT IS CLAIMED IS:

1. A wide keypad in an upper casing frame of a portable terminal, comprising:
 - 5 a plurality of key tops arranged in tight contact in a matrix of rows and columns;
 - a key film having a plurality of upper protrusions in contact with bottom surfaces of the key tops, a plurality of lower protrusions as contact points spaced from metal domes, and recesses between the upper protrusions; and
 - 10 a key frame inserted into the recesses of the key film and having at least one spacer extended upward for providing space in which the key tops move up and down between the upper casing frame and the key film.
2. The wide keypad of claim 1, wherein the key frame is fabricated
 - 15 by die casting.
3. The wide keypad of claim 1, wherein the spacer is erect and symmetrical.
- 20 4. A wide keypad mounting structure for preventing ESD (ElectroStatic Discharge) in a portable terminal, comprising:
 - an upper casing frame having an inner surface treated with a conductive material;
 - 25 a plurality of key tops fixed in tight contact with each other in a matrix of rows and columns within the upper casing frame;
 - a key film having a plurality of upper protrusions in contact with bottom surfaces of the key tops, a plurality of lower protrusions as contact points spaced from metal domes, and recesses between the upper protrusions, and bonded to the bottom surfaces of the key tops;
- 30 a conductive key frame inserted into the recesses of the key film and

having at least one spacer extended upward for providing space in which the key tops move up and down between the upper casing frame and the key film; and

an engaging boss extended from a predetermined portion of the bottom surface of the upper casing frame to be engaged with a main board by a screw,
5 the surface of the engaging boss being treated with a conductive material to contact the key frame.

5. The wide keypad mounting structure of claim 4, wherein the end of the spacer contacts the inner surface of the upper casing frame.

10

6. The wide keypad mounting structure of claim 4, wherein the key tops are formed of a conductive material.

7. The wide keypad mounting structure of claim 4, wherein the side
15 surface of a key top contacts the spacer.